APPENDIX J

Setting up the ExtendedNet Print Server

Name of Printer Server: ExtendedNet ESI 2941 Single Port (10/100mb) Print Server

Company Name: Extended Systems 1-800-235-7576

The ExtendedNet ESI-2941 print server works well with MT 645, MT 661, Okidata 321, & Lexmark 4227 Plus printers. This device allows (if user has lan drop and valid static IP address) a way to make their dot matrix printers tcp/ip printers (also works with laser printers without a LAN card). No more huffing to another building miles away to pickup an IFA master menu printout (if server isn't collocated at the IFA, etc) No more messing with settings.

(1)   For this example, I will walk you through installing the device to a Okidata 321 printer. The installation of this print server was very easy. After verifying that you have a live lan drop and a valid ip address for the printer server, connect a 10 BaseT lan cable to the rear of the ExtendedNet ESI-2941 print server. Power it up. The device will do some self checks and verify that the lan line was active. If the lan line is not active, a 'red' lcd light will be displayed on the print server. Connect a 25 pin parallel print cable to the rear of the print server and the other end to the centronics connection on the Okidata 321 printer. Power the printer up and made sure it is online.

(2)   Log onto Windows NT workstation (can be any workstation) and insert the Extended Systems's "Network Print Server" cd-rom and install the Windows NT tcp/ip (16 bit) software from the install menu (it auto boots up). Takes about 30 seconds all together. Start the ExtendedNet program on your desktop from start, programs, extended systems printing, and the program will search the network for all ExtendedNet print servers by mac address. After your print server has been located, you will then click on 'configuration' where you enter the ip address, subnet mask ip, and gateway ip address that was provided to you from your local DOIM office. Save the changes. Log onto the AFMIS server and edit the /etc/hosts file and added a line with the Okidata 321's ip address and name (e.g. 155.154.112.226 & okidata321 respectively). Save the hosts file. Then utilize SCO Admin's "printer setup manager" and add a new tcp/ip printer. In this example the printer name will be called 'okidata321', and then select the driver called "ibm proprinter", and ensure it is a network printer and then add in the ip address "155.154.112.226". Click "ok" and the printer will be added. **Note:** If you want to add a Mannesmann Tally 645 or 661 printer make sure you use "fx-850" as the driver for that printer's device. After you have successfully added the printer, test it by printing a test document to the Okidata321 printer.

Additional instructions for setting up a high speed printer (to be used with a ExtendedNet print server). Printers include MT645, MT661 and the Lexmark 4227 Plus

Note 1: The instructions are written from the perspective of a remote pc. If the console is readily available use the mouse instead of the arrow keys and tab keys as stated below.

1) enter scoadmin

2) cursor down (down arrow) to Printer Setup Manager and select it <enter>

3) cursor down (down arrow) to desired printer and <tab> to return to top menu options

4) cursor over (right arrow) to Printer and select it <enter>

5) cursor down (down arrow) to Properties and select it <enter>

6) <tab> to Printer Connection Type

7) cursor over (right arrow) On Remote Server

8) <tab> to Remote Printer and replace text currently in field with **queueff1**

9) <tab> to OK and <enter>

10) <tab> to top menu options

11) cursor over (right arrow) to Server

12) cursor down (down arrow> to Halt and <enter>

13) cursor to Start and <enter>

Note 2: You have modified the internal Remote Server interface between SCO and the ExtendedNet print server. The Printer name that is used by programs and users has not been changed. The queueff1 instructs the print server to form feed prior to printing.

Note 3: You shut down and restarted the Print Services (steps 11-13) not the SCO server.

Exit scoadmin and you should be ready to use the high speed printer. Test the setup by issuing the following lp commands.

lp -d xxx /etc/group
lp -d xxx /etc/group

(where xxx is the name of the printer EX. hsp1)

If all is well, you will have 2 very short printouts, each beginning at the top of the page. If this is not what happened, recheck your steps and ensure there was no typographical mistakes. If still unable to get the intended results, call CAO for further assistance (DSN 687-1051 , 804-734-1051 commercial).